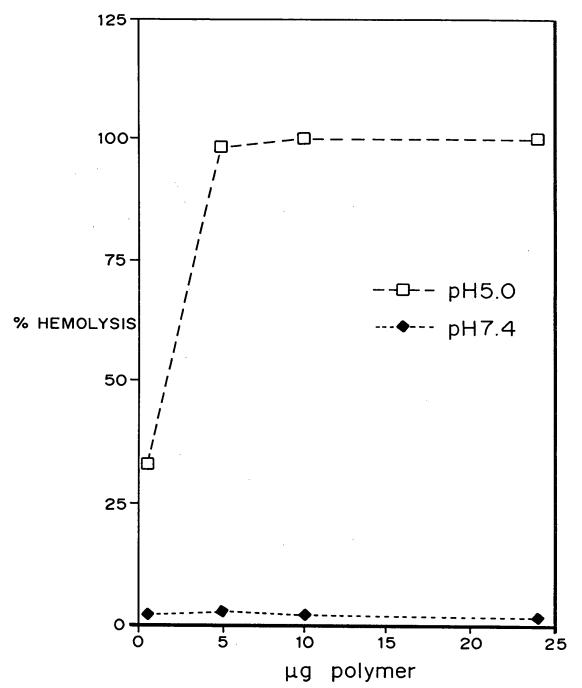
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"Enhanced Transport Using Membrane Disruptive Agents"
y: Allan S. Hoffman, Patrick S. Stayton, and Niren Murtinit: 1635
J.S.S.N. 09/755,701
Filed: January 5, 2001
Atty. Docket No.: UWS 105

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Experimental Conditions

- (1) 2% RBCs in 1ml PBS buffer
- (2) Incubation temperature 37C
- (3) Incubation time 20 minutes
- (4) Experiments done in triplicate STD < 2%

"Enhanced Transport Using Membrane Disruptive Agents"
By: Allan S. Hoffman, Patrick S. Stayton, and Niren M APPROVED O.G. FIG. CLASS SUBCLASS Unit: 1635 U.S.S.N. 09/755,701 Atty. Docket No.: UWS 105 ВУ Filed: January 5, 2001 DRAFTSMAN "Unmasked" backbone disrupts endosomal Free DRUG or PEG-DRUG delivered into cytoplasm membrane endosome Disrupted Acid - degradable **Endocytosis** linker Hd Membrane-disruptive polymer backbone Grafted PEGs "mask" backbone **Targeting** ligand

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SERUM STABLE NONTOXIC FORM

MEMBRANE DISRUPTIVE FORM

Encrypted Polymer E1: X = Y = Methoxy

Encrypted Polymer E2: X = Fluorescein, Y = Lactose Encrypted Polymer E3: X = Hexalysine, Y = Lactose

APPROVED	O.G. FIG.	
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Enhanced Transport Using Membrane Disruptive Agents"
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FIG. 5A

MERCAPTOPROPANOL

HYDROXYPROPYL -MERCAPTOTHIOPYRIDAL

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FIG. 5B

ENCRYPTED POLYMER E1: X = Y = METHOXY

ENCRYPTED POLYMER E2: X=FLUORESCEIN, Y=LACTOSE ENCRYPTED POLYMER E3: X=HEXALYSINE, Y= LACTOSE

APPROVED	O.G. FIG.	
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